

What is claimed is:

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1. A method for determining computer hardware requirements for a database management system server comprising the steps of:

obtaining at least one user defined workload requirement;

calculating the database management system server hardware requirements as a function of said user defined workload requirement; and

displaying said database management system requirements.

2. A method according to claim 1, wherein said user defined workload requirement includes a plurality of inputs from a user including a server type, a maximum desired processor utilization, and a transactions per second requirement.

3. A method according to claim 1, wherein said outputs include a number of processors requirement, a memory size requirement, and a mass storage requirement.

4. A method according to claim 1, wherein said outputs further comprise properties including an effective CPU utilization.

5. A method according to claim 1, wherein said outputs further comprise properties including a number of users supported.

6. A method according to claim 1, wherein said outputs further comprise properties including an effective CPU utilization and a number of users supported.

1 7. A computerized method for determining computer hardware
2 requirements for a database management system server as recited in claim 7, wherein
3 said inputs include a baseline system transactions per second and said properties
4 include a calculated transactions per second value, and a ratio of said calculated
5 transactions per second to said baseline transactions per second, wherein said
6 calculating step calculates values for said calculated transactions per second and said
7 transactions per second ratio.

1 8. A method for determining computer hardware requirements for a database
2 management system server using a user-defined workload, the method comprising the
3 steps of:
4 obtaining at least one input from a user;
5 obtaining from said user a plurality of transactions, wherein each of said
6 transactions have a transaction workload contribution and an expected execution rate
7 per second;
8 calculating a total workload as a function of said transactions, transaction
9 workload contribution, and transaction execution rate; and
10 display said total workload to said human user.

1 9. A method according to claim 8, wherein said inputs include a server
2 type.

1 10. A method according to claim 8, wherein said inputs include a
2 maximum desired processor utilization.

